

Additional file 4

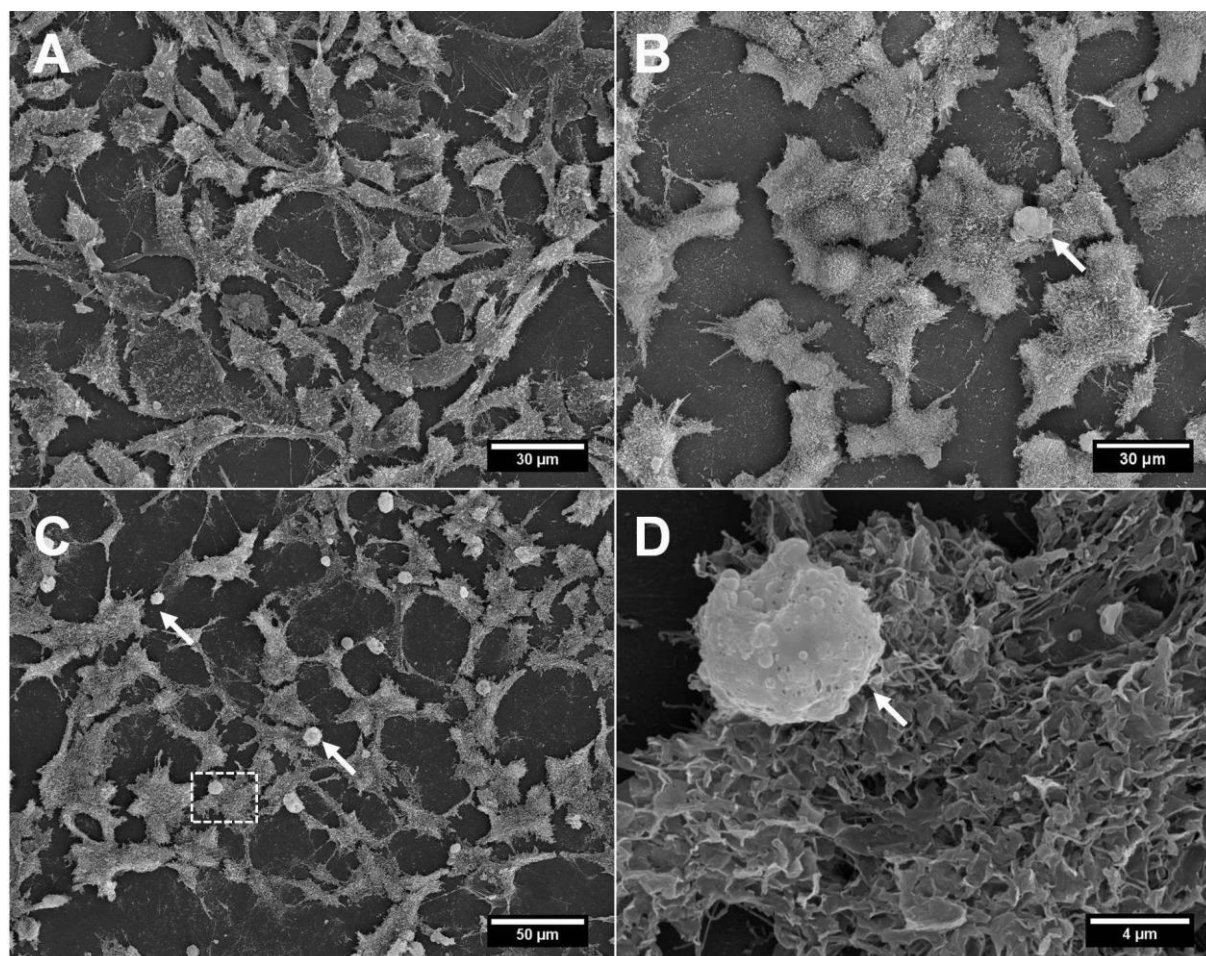


Figure 1: SEM micrographs of Hep G2 cells exposed to 16 and 32 µg/ml GO and CXYG for 72.

Image A shows a SEM micrograph of untreated cells. Image B shows cells treated with 32 µg/ml CXYG. Image C shows cells treated with 16 µg/ml GO. The boxed-in area is shown at higher magnification in image D. Scale bars are 30 µm in A and B, 50 µm in C and 4 µm in D. White arrows exemplarily indicate apoptotic cells (communication with Dr. Covadonga Alonso, Departamento de Biotecnología, Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria, INIA) being detached from the substrate and neighboring cells, and characterized by a round cell shape and plasma membrane blebbing.

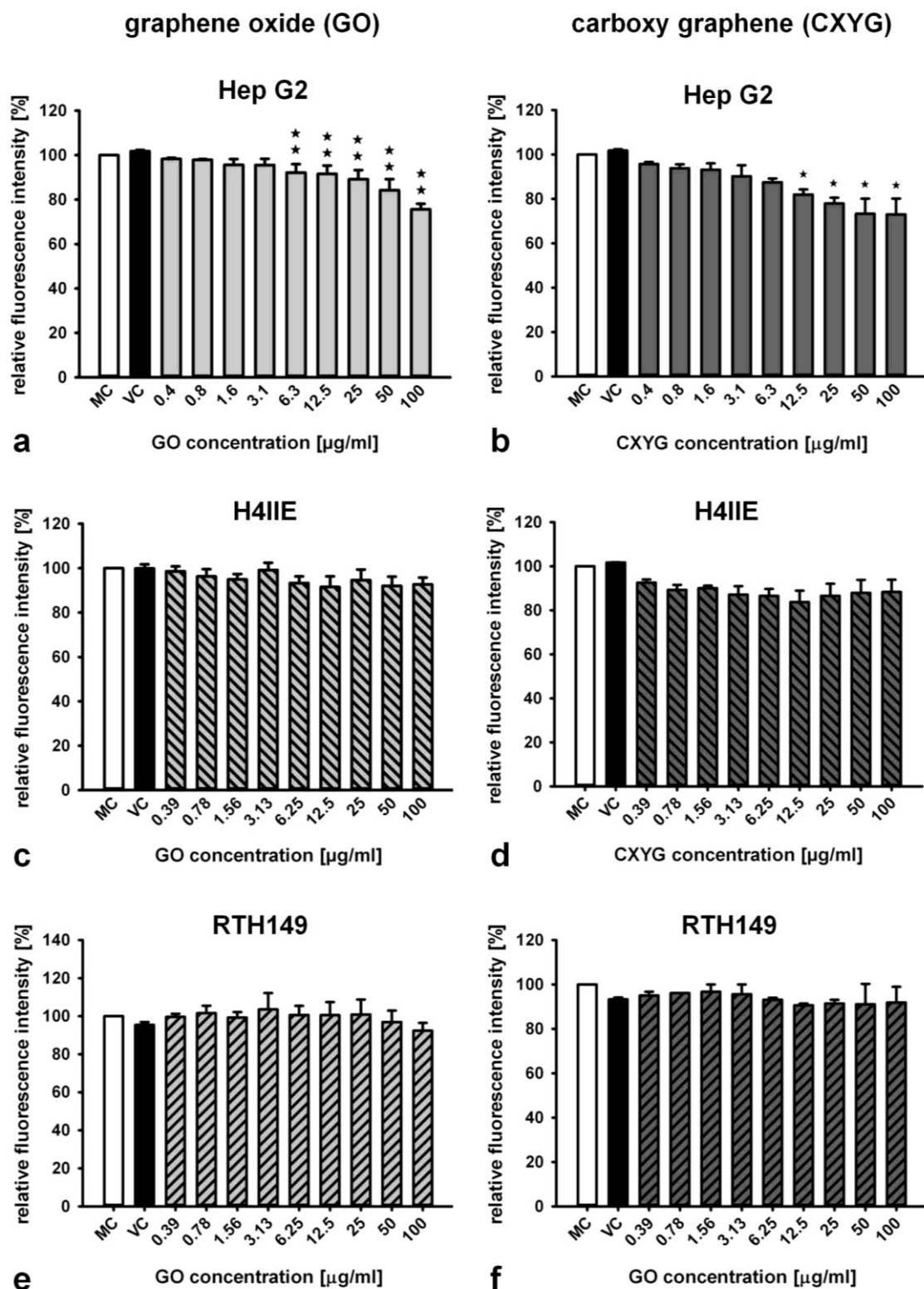


Figure 2: Differential cytotoxicity of GO and CXYG.